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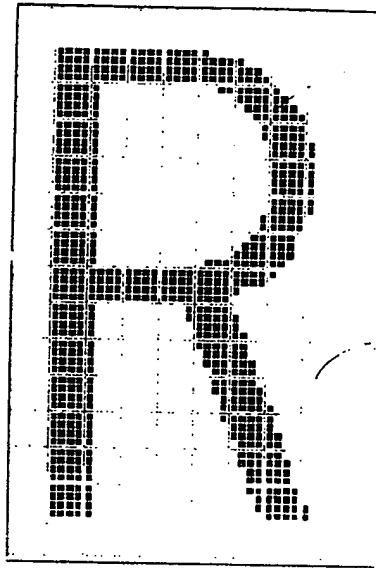


FIG. 1

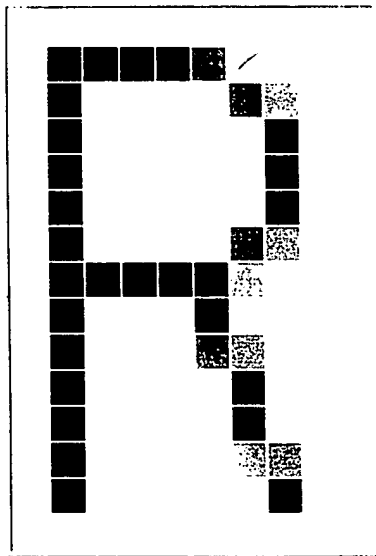


FIG. 2

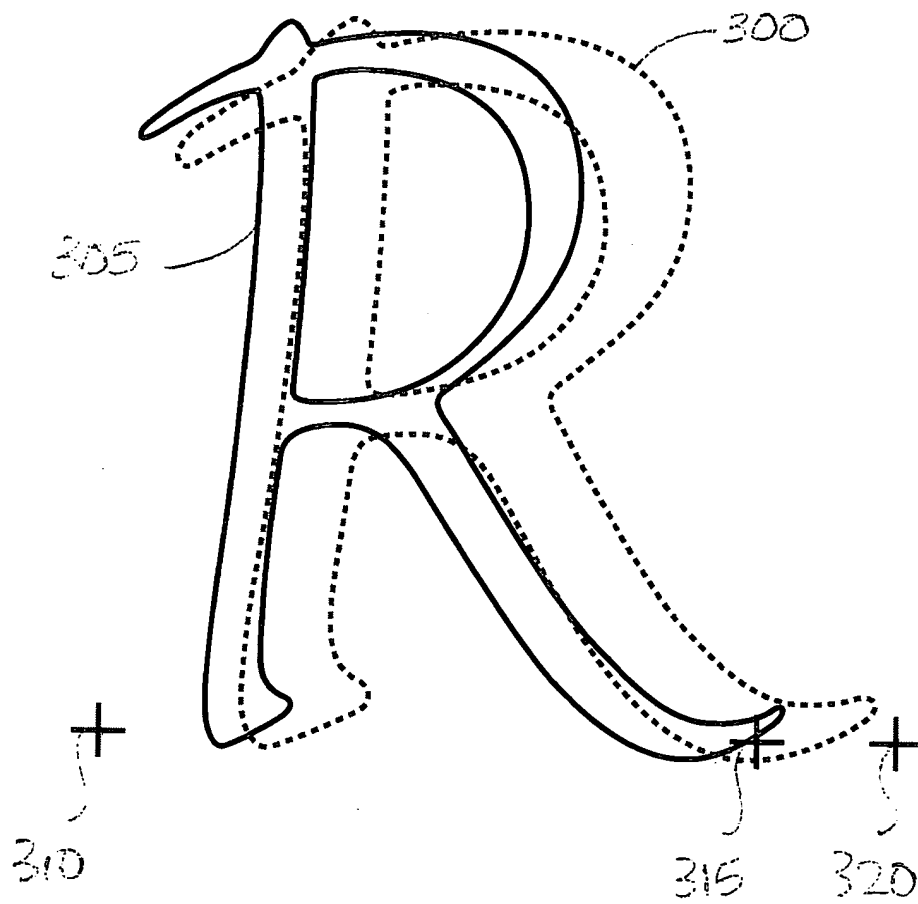


FIG. 3A

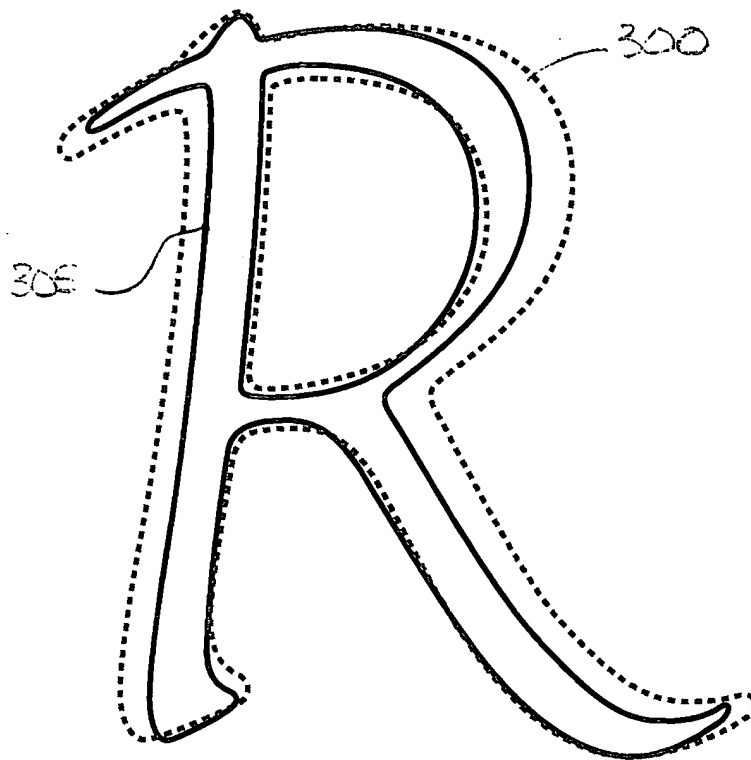
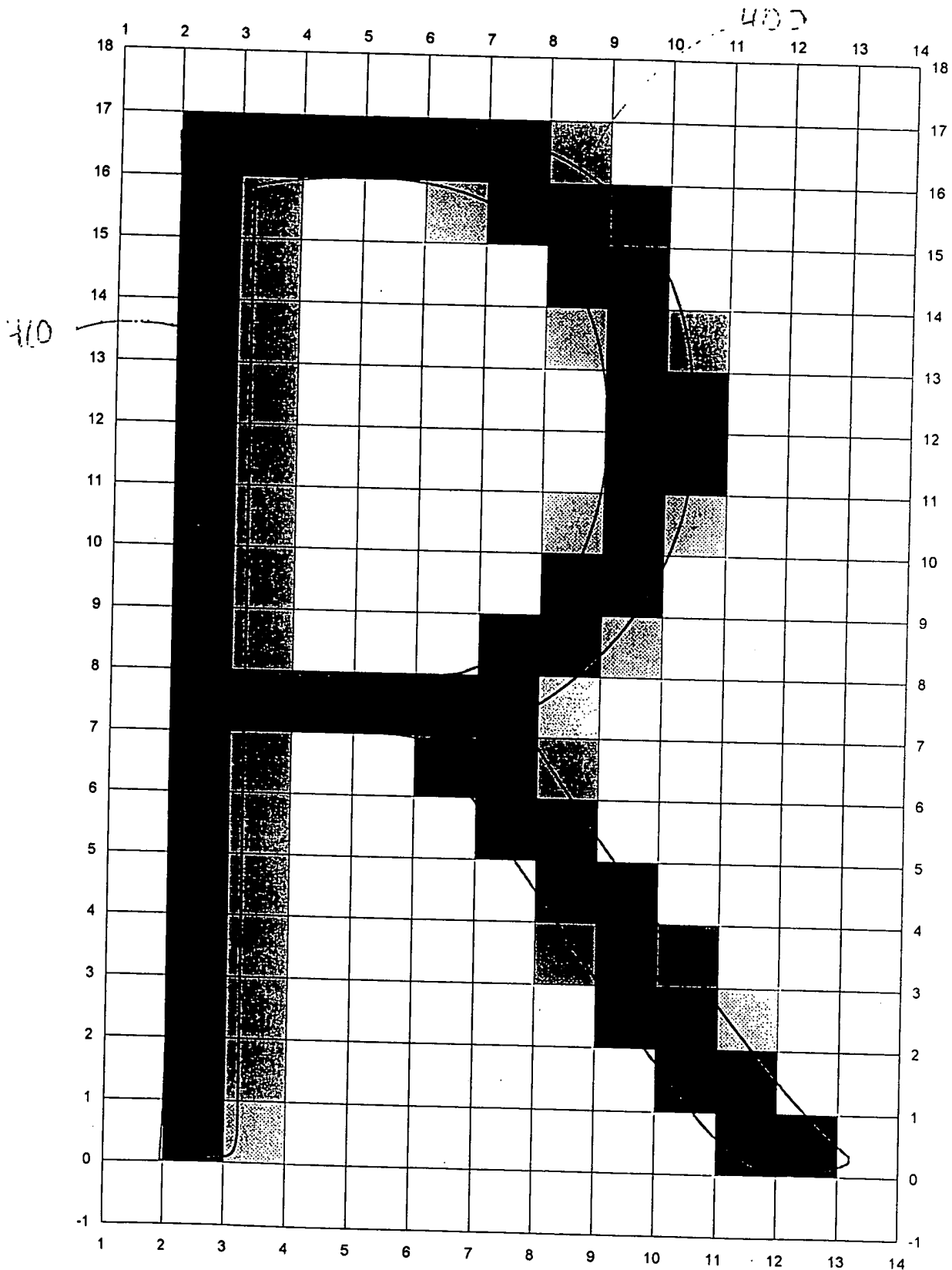


FIG 38



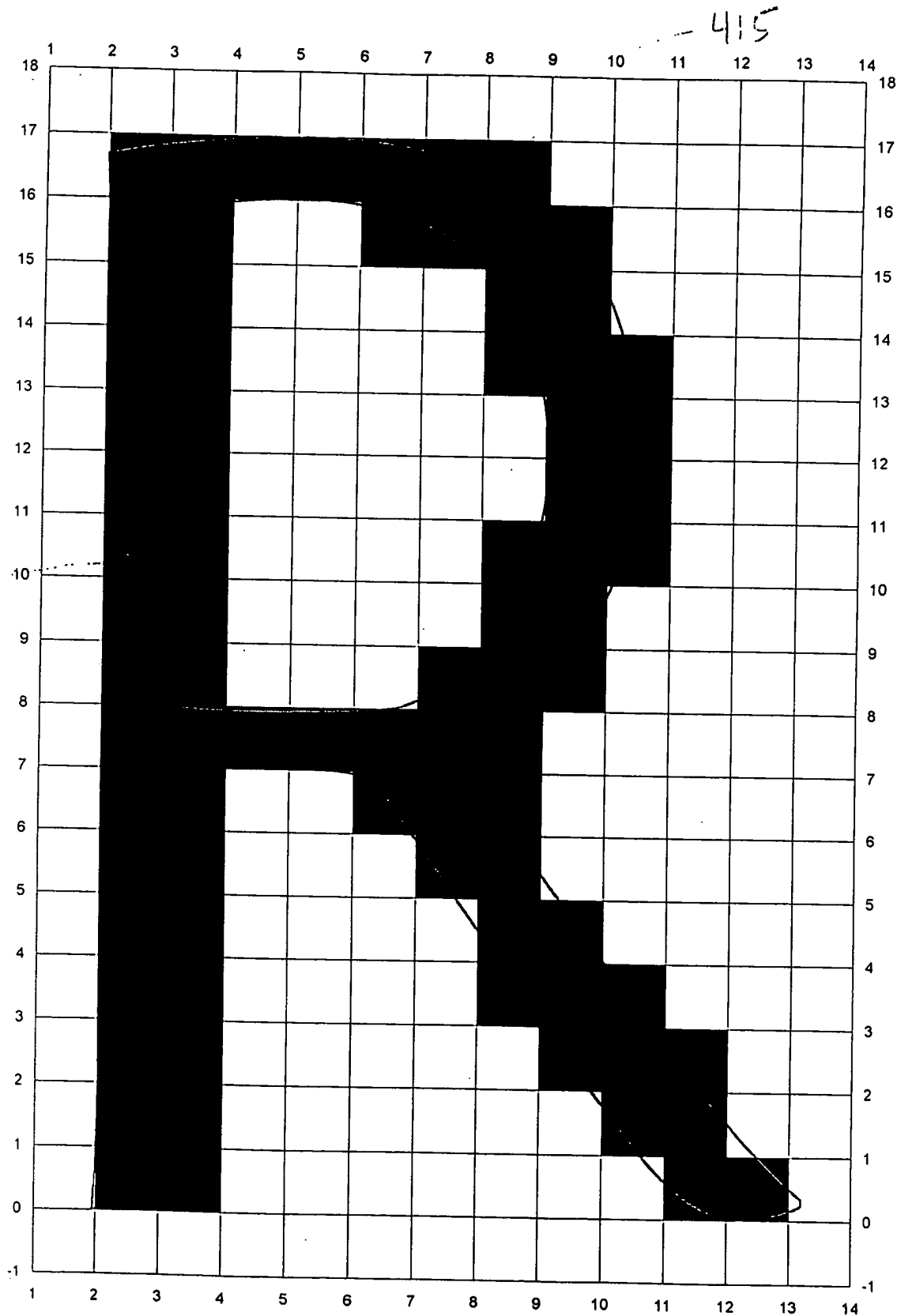


FIG 4E

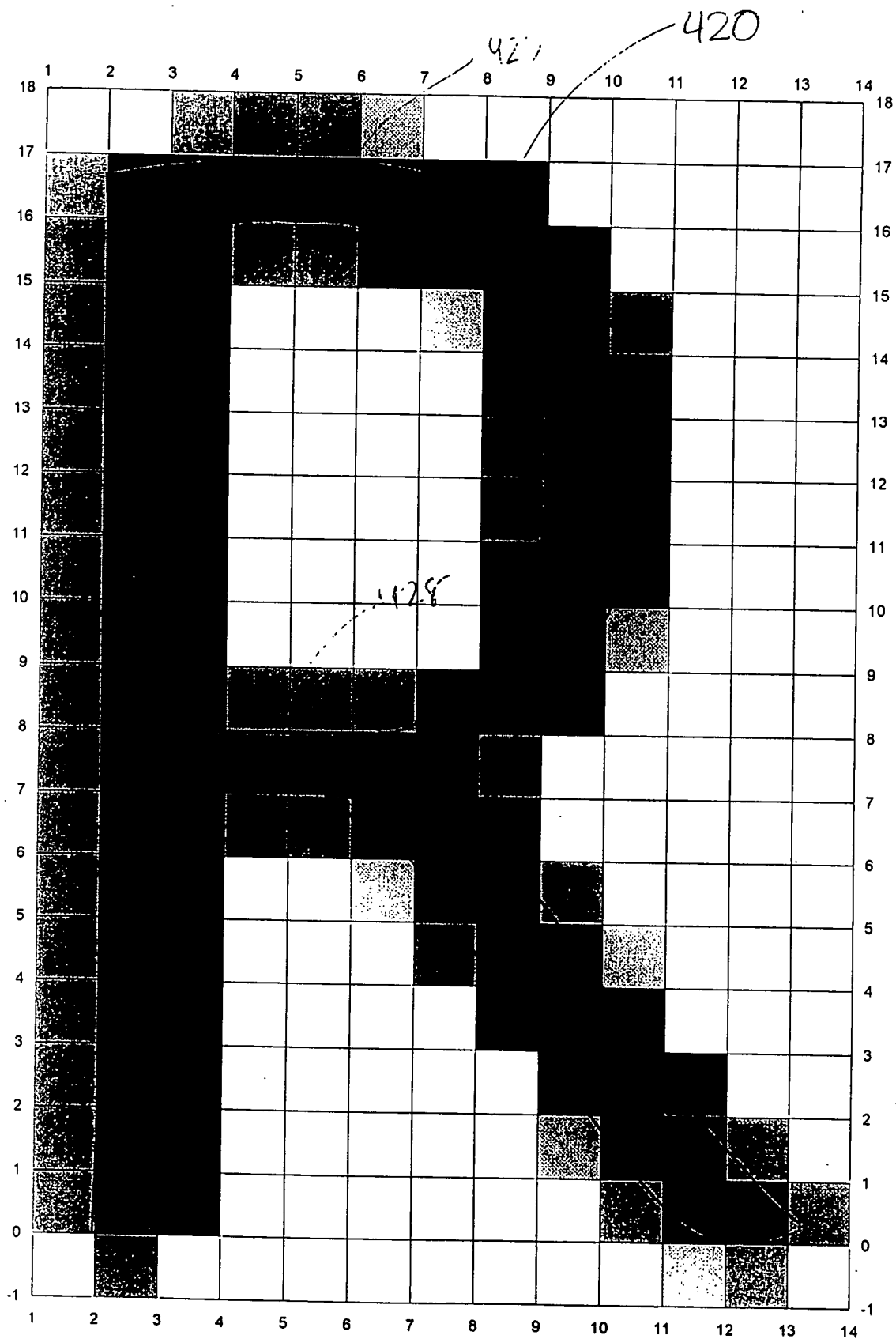


FIG. 42

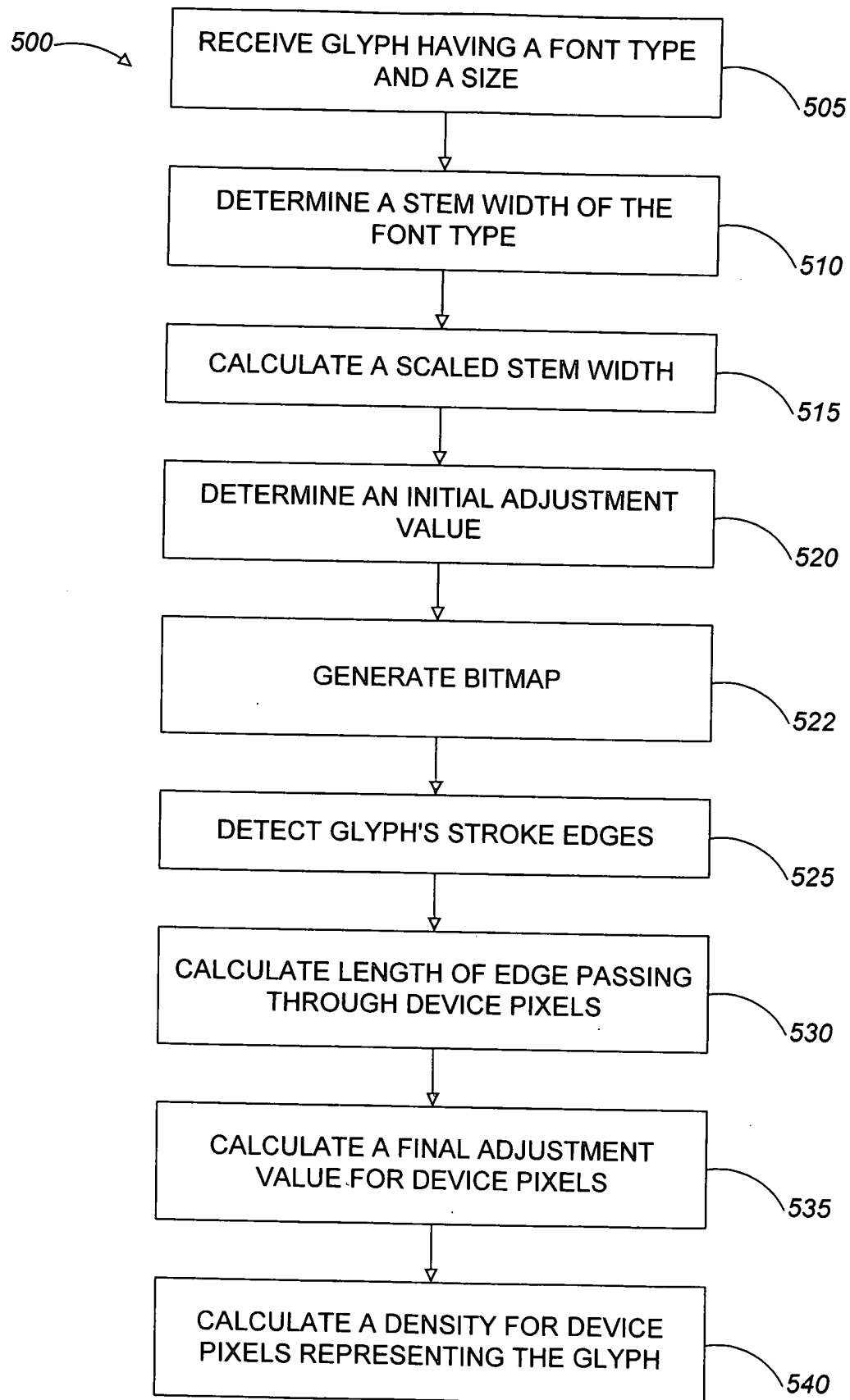
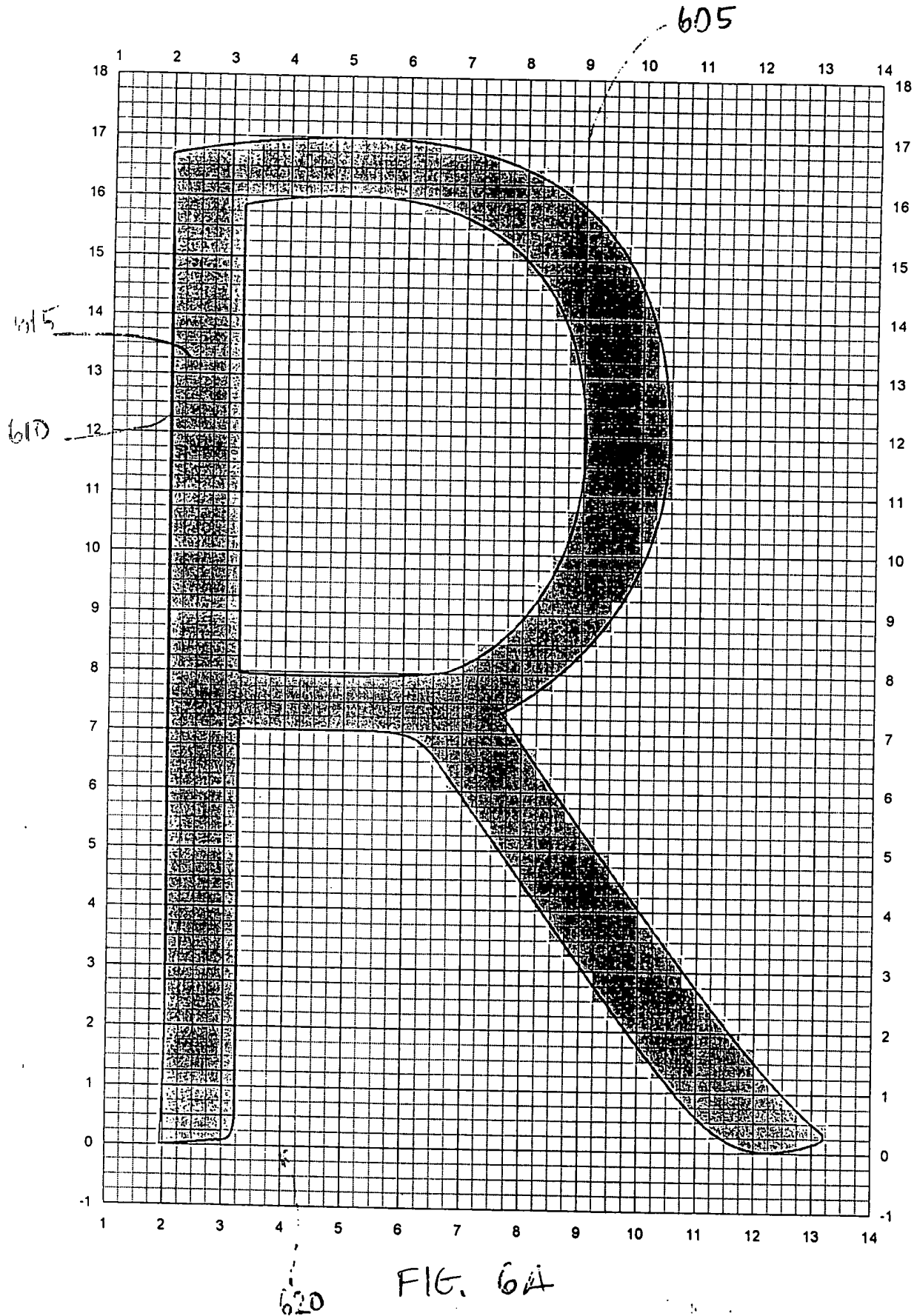


FIG. 5



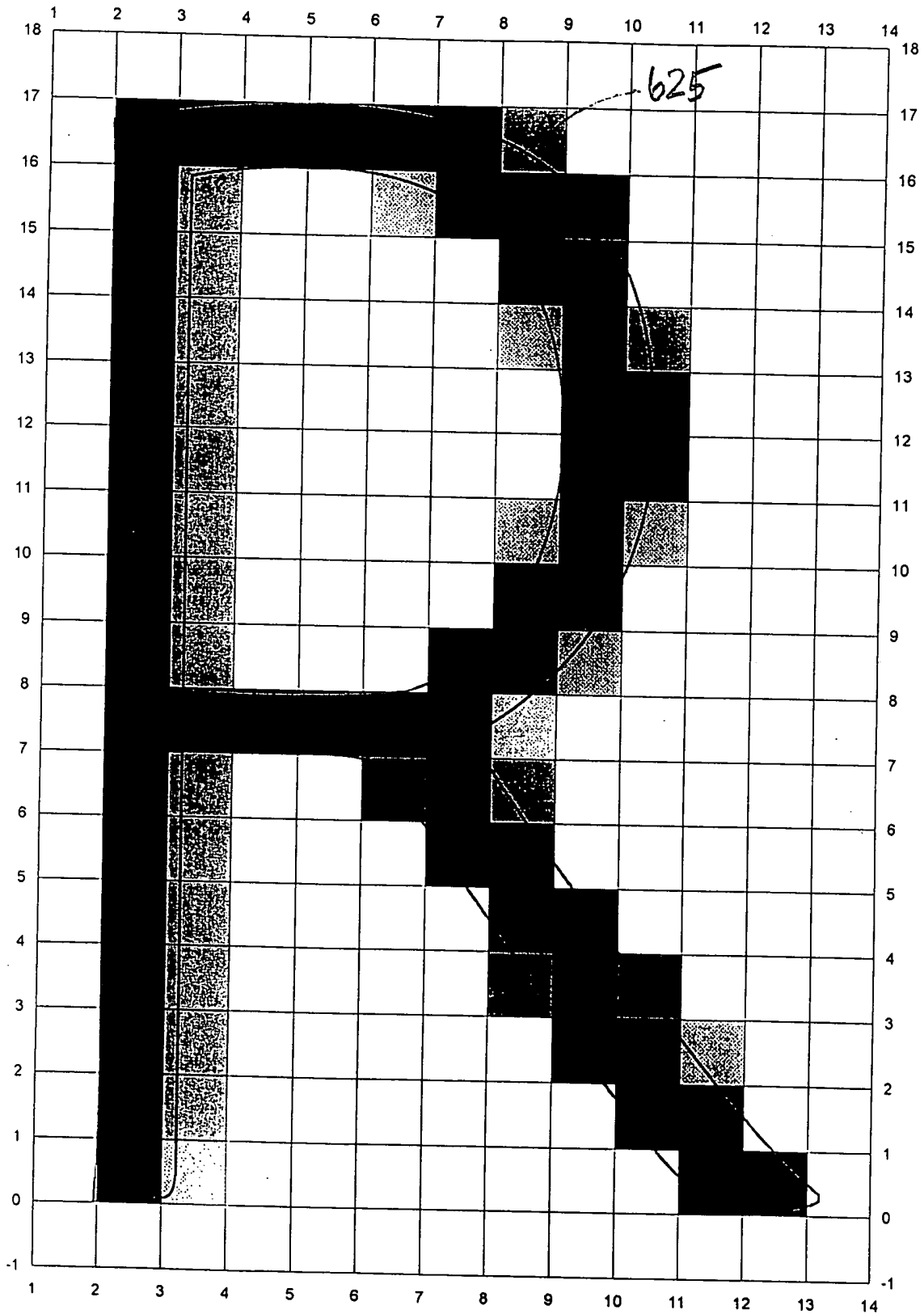


FIG. 6E

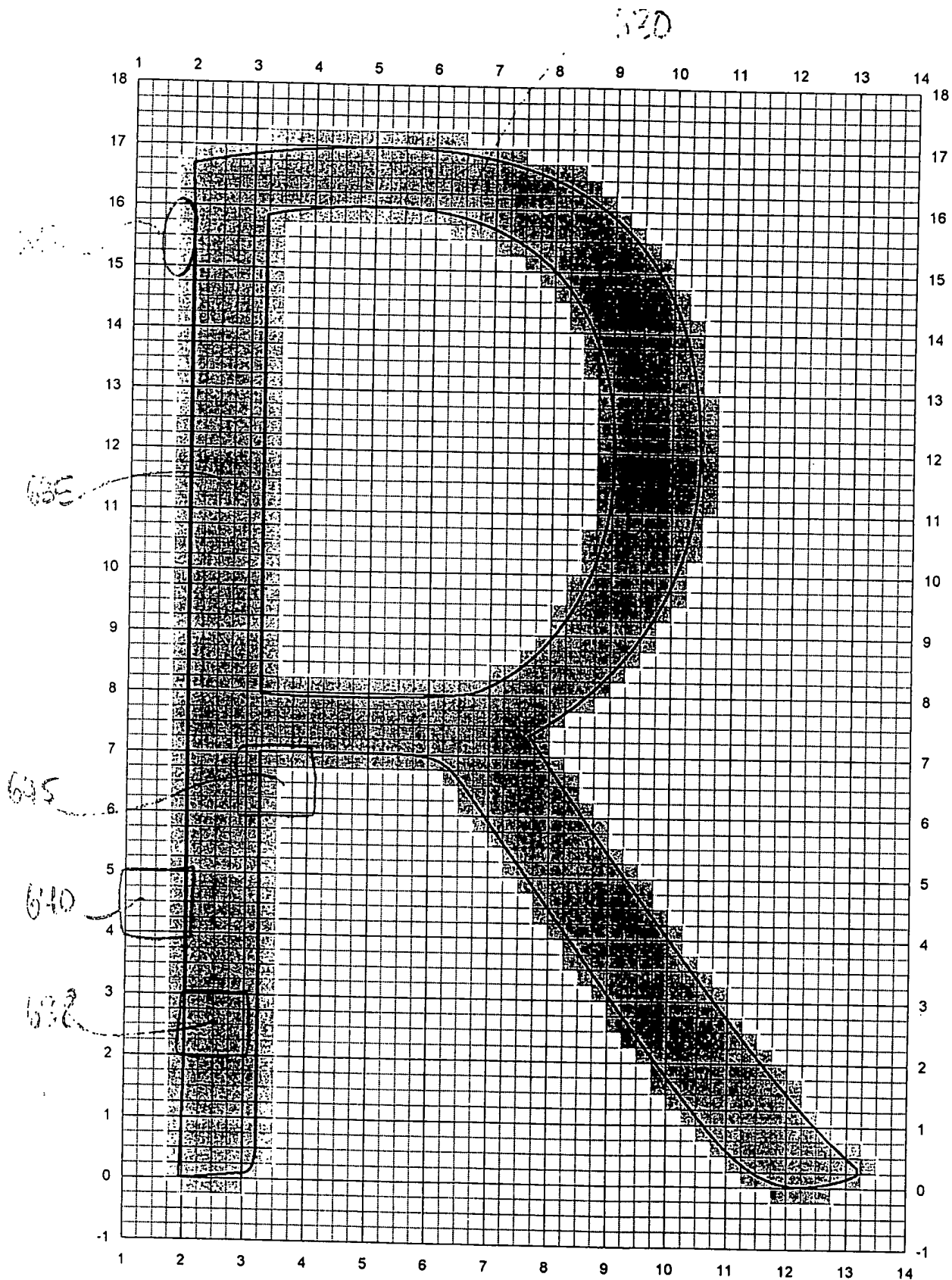
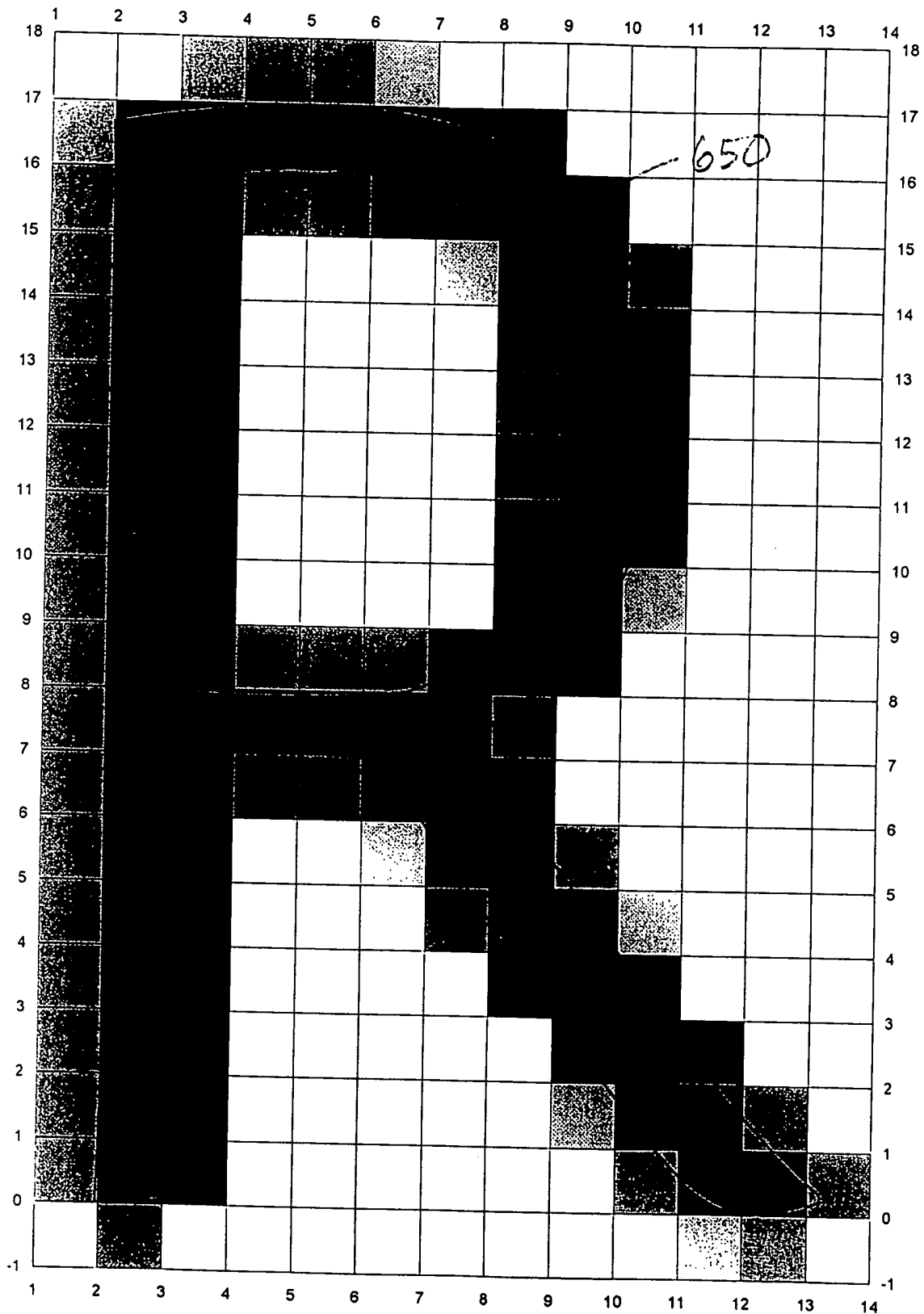


FIG. 6C



File: 650

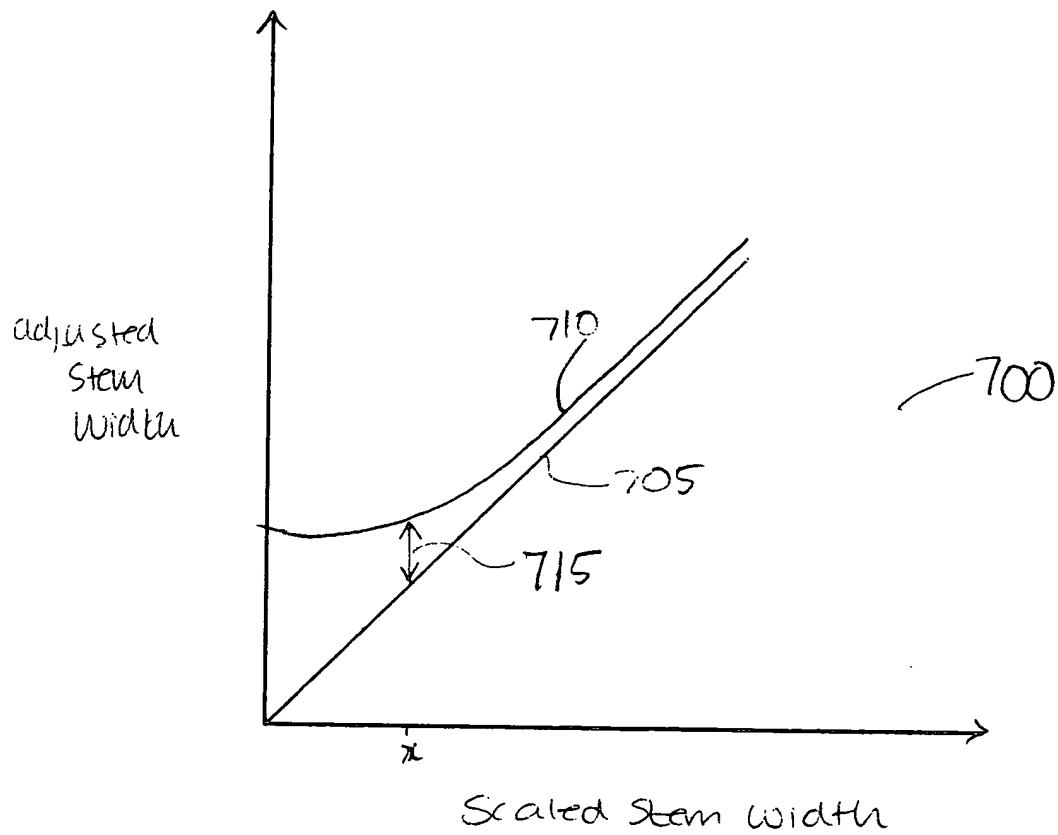


FIG 7A

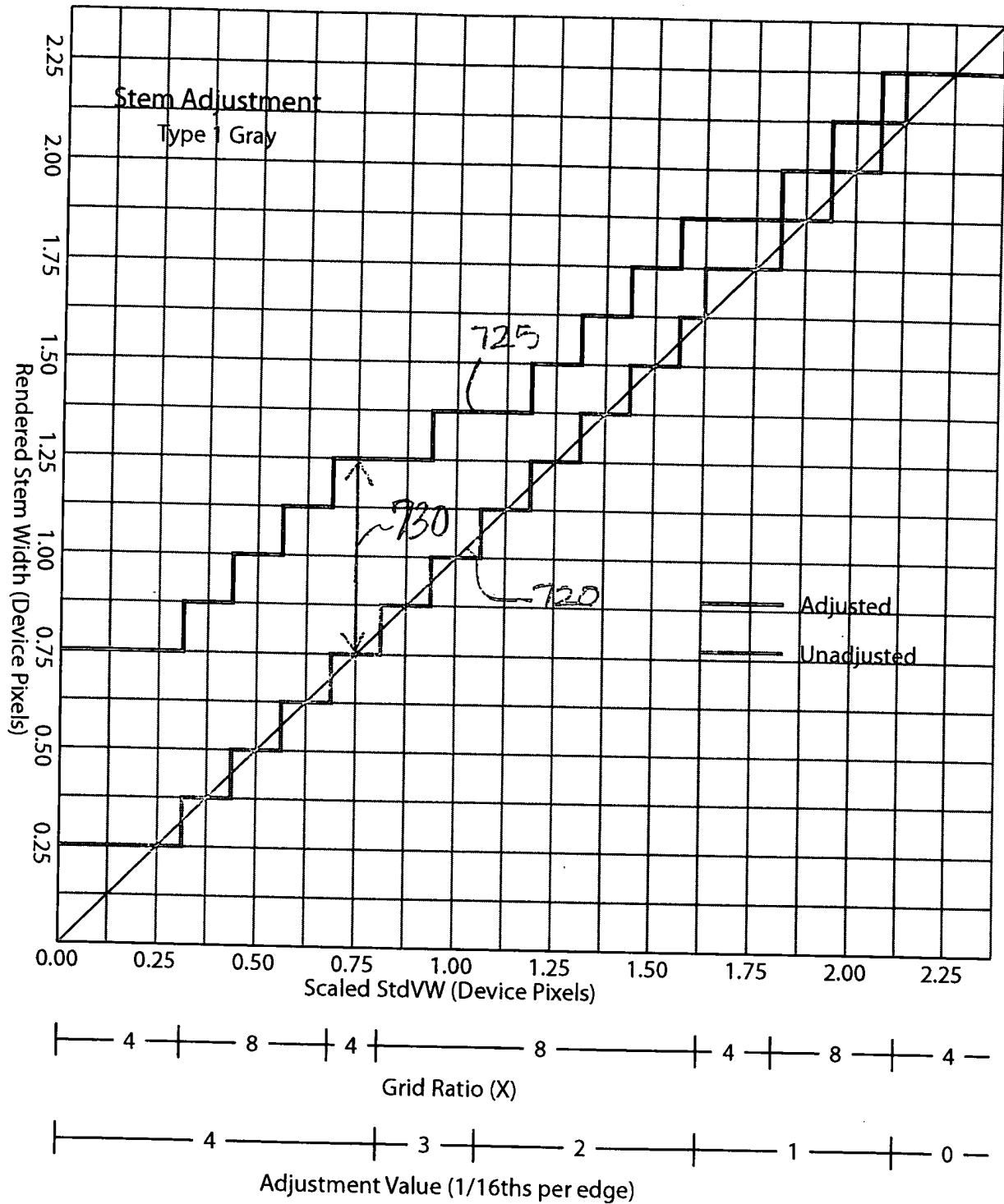


FIG. 7B

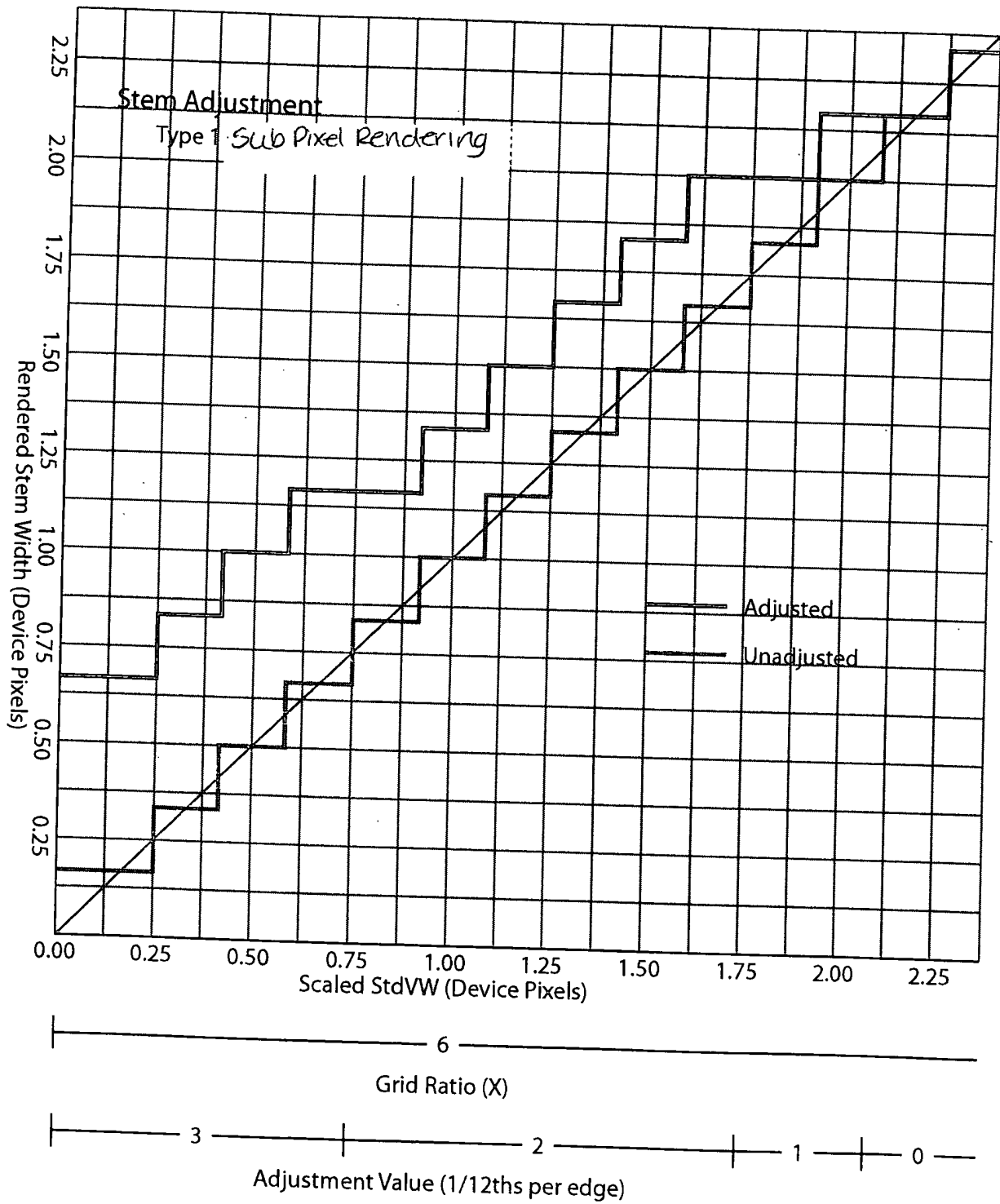


FIG. 7C

Font type: Type 1 Gray Scale

Scaled Stem Width (1/16 th)	X Grid Ratio	Y Grid Ratio	Hint Grid Ratio	Hinting Policy	X Align.	Y Align.	X Offset Amt.	Y Offset Amt.	X Carry (y/n)	Y Carry (y/n)	Initial Adjustment Value (1/16 th)
0	4	4	4	Black Edge	4	4	0	1	1	1	4
1	4	4	4	Black Edge	4	4	0	1	1	1	4
2	4	4	4	Black Edge	4	4	0	1	1	1	4
3	4	4	4	Black Edge	4	4	0	1	1	1	4
4	4	4	4	Black Edge	4	4	0	1	1	1	4
5	8	8	8	Black Edge	8	8	0	1	1	1	4
6	8	8	8	Black Edge	8	8	0	1	1	1	4
7	8	8	8	Black Edge	8	8	0	1	1	1	4
8	8	8	8	Black Edge	8	8	0	1	1	1	4
9	8	8	8	Black Edge	8	8	0	1	1	1	4
10	8	8	8	Black Edge	8	8	0	1	1	1	4
11	4	4	4	Black Edge	4	4	1	1	1	0	4
12	4	4	4	Black Edge	4	4	1	1	1	0	4
13	8	8	8	Black Edge	8	8	1	1	1	1	3
14	8	8	8	Black Edge	8	8	1	1	1	1	3
15	8	8	8	Black Edge	8	8	1	1	1	1	3
16	8	8	8	Black Edge	8	8	1	1	1	1	3
17	8	8	8	Black Edge	8	8	1	1	1	1	2
18	8	8	8	Black Edge	8	8	1	1	1	1	2
19	8	8	8	Black Edge	8	8	1	1	1	1	2
20	8	8	8	Black Edge	8	8	1	1	1	1	2
21	8	8	8	Black Edge	8	8	1	1	1	1	2
22	8	8	8	Black Edge	8	8	1	1	1	1	2
23	8	8	8	Black Edge	8	8	1	1	1	1	2
24	8	8	8	Black Edge	8	8	1	1	1	1	2

FIG. 8A

Scaled Stem Width (1/16 th)	X	Y	Grid Ratio	Hint Grid Ratio	Hinting Policy	X Align.	Y Align.	X Offset Amt.	Y Offset Amt.	X Carry (y/n)	Y Carry (y/n)	Initial Adjustment Value (1/16 ^{ths})
25	8	8	8	8	Black Edge	8	8	1	1	1	1	2
26	4	4	4	4	Black Edge	4	4	0	0	1	0	1
27	4	4	4	4	Black Edge	4	4	0	0	1	0	1
28	4	4	4	4	Black Edge	4	4	0	0	1	0	1
29	8	8	8	8	Black Edge	8	8	1	1	1	1	1
30	8	8	8	8	Black Edge	8	8	1	1	1	1	1
31	8	8	8	8	Black Edge	8	8	1	1	1	1	1
32	8	8	8	8	Black Edge	8	8	1	1	1	1	1
33	8	8	8	8	Black Edge	8	8	1	1	1	1	1
34	4	4	4	4	Black Edge	4	4	0	0	1	0	0
35	4	4	4	4	Black Edge	4	4	0	0	1	0	0
36	4	4	4	4	Black Edge	4	4	0	0	1	0	0
37	4	4	4	4	Black Edge	4	4	0	0	1	0	0

FIG. 8A cont'd

Font type: Type 1 Gray Scale

Scaled Stem Width (1/16ths)	Asymmetric Adjusting (y/n)	Low Density	Low Initial Adjustment Value (1/16ths)	High Density	High Initial Adjustment Value (1/16ths)
0	0	0	0	0	0
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	1	0	2	24	6
6	1	0	2	24	6
7	1	0	2	32	6
8	1	0	2	32	6
9	1	0	2	40	6
10	1	0	2	40	6
11	0	0	0	0	0
12	0	0	0	0	0
13	1	0	4	56	2
14	1	0	4	56	2
15	1	8	4	56	2
16	1	8	4	56	2
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0

FIG. 9B

Scaled Stem Width (1/16ths)	Asymmetric Adjusting (y/n)	Low Density	Low Initial Adjustment Value (1/16ths)	High Density	High Initial Adjustment Value (1/16ths)
24	0	0	0	0	0
25	0	0	0	0	0
26	1	0	0	12	2
27	1	0	0	12	2
28	1	0	0	12	2
29	1	0	2	56	0
30	1	0	2	56	0
31	1	8	0	56	2
32	1	8	0	56	2
33	1	16	0	56	2
34	0	0	0	0	0
35	0	0	0	0	0
36	0	0	0	0	0
37	0	0	0	0	0

FIG. 8B cont'd

Font Type: Type 1 Sub Pixel Rendering

Scaled Stem Width (1/6ths)	X Grid Ratio	Y Grid Ratio	Hint Grid Ratio	X Align.	Y Align.	X Offset Amt.	Y Offset Amt.	X Carry (y/n)	Y Carry (y/n)	Hinting Policy	Initial Adjustment Value (1/6ths)
0	6	6	6	1	6	0	0	1	0	Black Edge	3
1	6	6	6	1	6	0	0	1	0	Black Edge	3
2	6	6	6	1	6	0	0	1	0	Black Edge	3
3	6	6	6	1	6	0	0	1	0	Black Edge	3
4	6	6	6	1	6	0	0	1	0	Black Edge	3
5	6	6	6	1	6	0	0	1	0	Black Edge	3
6	6	6	6	1	6	0	0	1	0	Black Edge	2
7	6	6	6	1	6	0	0	1	0	Black Edge	2
8	6	6	6	1	6	0	0	1	0	Black Edge	2
9	6	6	6	1	6	0	0	1	0	Black Edge	2
10	6	6	6	1	6	0	0	1	0	Black Edge	2
11	6	6	6	1	6	0	0	1	0	Black Edge	2
12	6	6	6	1	6	0	0	1	0	Black Edge	1
13	6	6	6	1	6	0	0	1	0	Black Edge	1
										Black Edge	0

FIG. 8C

Font Type: TrueType Gray Scale

Scaled Stem Width (1/4ths)	X Grid Ratio	Y Grid Ratio	Hint Grid Ratio	X Align.	Y Align.	X Offset Amt.	Y Offset Amt.	X Carry (y/n)	Y Carry (y/n)	Hinting Policy	Initial Adjustment Value (1/4ths)
0	4	4	4	0	0	0	0	1	1	No Smoothing	4
1	4	4	4	0	0	0	0	1	1	No Smoothing	4
2	4	4	4	0	0	0	0	1	1	No Smoothing	4
3	4	4	4	0	0	0	0	1	1	No Smoothing	3
4	4	4	4	0	0	0	0	1	1	No Smoothing	2
5	4	4	4	0	0	0	0	1	1	No Smoothing	2
6	4	4	4	0	0	0	0	1	1	No Smoothing	1
7	4	4	4	0	0	0	0	1	1	No Smoothing	1
8	4	4	4	0	0	0	0	1	1	No Smoothing	1
9	4	4	4	0	0	0	0	1	1	No Smoothing	0

FIG. 8D

Font Type: TrueType SubPixel Rendering

Scaled Stem Width (1/6ths)	X Grid Ratio	Y Grid Ratio	Hint Grid Ratio	X Align.	Y Align.	X Offset Amt.	Y Offset Amt.	X Carry (y/n)	Y Carry (y/n)	Hinting Policy	Initial Adjustment Value (1/6ths)
0	6	6	6	0	0	0	0	1	1	No Smoothing	3
1	6	6	6	0	0	0	0	1	1	No Smoothing	3
2	6	6	6	0	0	0	0	1	1	No Smoothing	3
3	6	6	6	0	0	0	0	1	1	No Smoothing	3
4	6	6	6	0	0	0	0	1	1	No Smoothing	3
5	6	6	6	0	0	0	0	1	1	No Smoothing	3
6	6	6	6	0	0	0	0	1	1	No Smoothing	2
7	6	6	6	0	0	0	0	1	1	No Smoothing	2
8	6	6	6	0	0	0	0	1	1	No Smoothing	2
9	6	6	6	0	0	0	0	1	1	No Smoothing	2
10	6	6	6	0	0	0	0	1	1	No Smoothing	2
11	6	6	6	0	0	0	0	1	1	No Smoothing	2
12	6	6	6	0	0	0	0	1	1	No Smoothing	1
13	6	6	6	0	0	0	0	1	1	No Smoothing	1
										No Smoothing	0

FIG. 8E

Font Type: TrueType Gray Scale

832 932

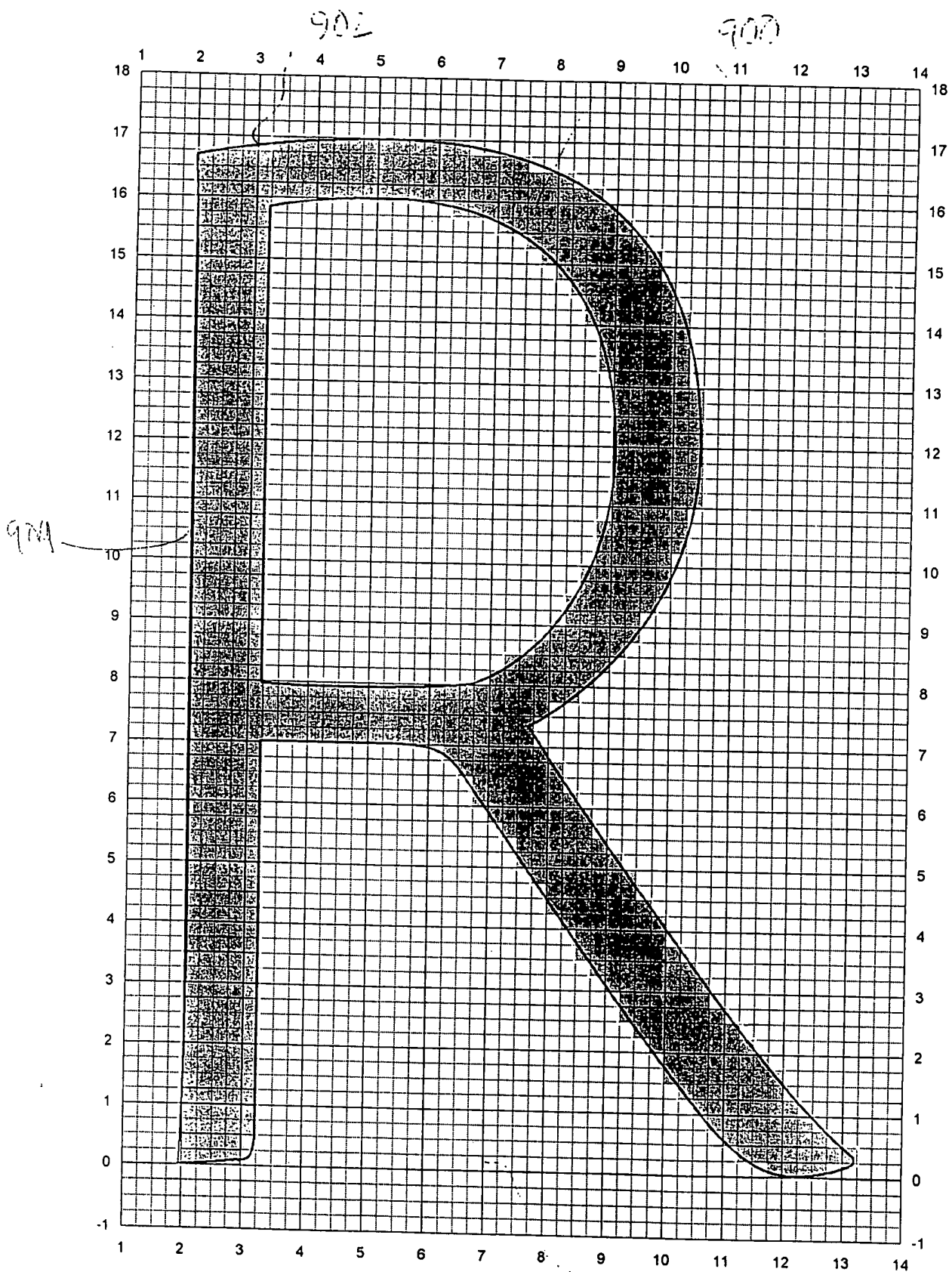
Scaled Stem Width (1/8ths)	X Grid Ratio	Y Grid Ratio	Hint Grid Ratio	X Align.	Y Align.	X Offset Amt.	Y Offset Amt.	X Carry (y/n)	Y Carry (y/n)	Hinting Policy	Initial Adjustment Value (1/8ths)
0	8	2	8	1	4	0	0	1	0	Anisotropic	3
1	8	2	8	1	4	0	0	1	0	Anisotropic	3
2	8	2	8	1	4	0	0	1	0	Anisotropic	3
3	8	2	8	1	4	0	0	1	0	Anisotropic	3
4	8	2	8	1	4	0	0	1	0	Anisotropic	3
5	8	2	8	1	4	0	0	1	0	Anisotropic	2
6	8	2	8	1	4	0	0	1	0	Anisotropic	2
7	8	2	8	1	4	0	0	1	0	Anisotropic	2
8	8	2	8	1	4	0	0	1	0	Anisotropic	2
9	8	2	8	1	4	0	0	1	0	Anisotropic	2
10	8	2	8	1	4	0	0	1	0	Anisotropic	2
11	8	2	8	1	4	0	0	1	0	Anisotropic	1
12	8	2	8	1	4	0	0	1	0	Anisotropic	1
13	8	2	8	1	4	0	0	1	0	Anisotropic	1
14	8	2	8	1	4	0	0	1	0	Anisotropic	1
15	8	2	8	1	4	0	0	1	0	Anisotropic	1
16	8	2	8	1	4	0	0	1	0	Anisotropic	1
17	8	2	8	1	4	0	0	1	0	Anisotropic	1
18	8	2	8	1	4	0	0	1	0	Anisotropic	0

FIG. 8F

Font Type: TrueType Sub Pixel Rendering

Scaled Stem Width (1/6ths)	X Grid Ratio	Y Grid Ratio	Hint Grid Ratio	X Align.	Y Align.	X Offset Amt.	Y Offset Amt.	X Carry (y/n)	Y Carry (y/n)	Hinting Policy	Initial Adjustment Value (1/6ths)
0	6	6	6	1	6	0	0	1	0	Anisotropic	3
1	6	6	6	1	6	0	0	1	0	Anisotropic	3
2	6	6	6	1	6	0	0	1	0	Anisotropic	3
3	6	6	6	1	6	0	0	1	0	Anisotropic	3
4	6	6	6	1	6	0	0	1	0	Anisotropic	3
5	6	6	6	1	6	0	0	1	0	Anisotropic	3
6	6	6	6	1	6	0	0	1	0	Anisotropic	2
7	6	6	6	1	6	0	0	1	0	Anisotropic	2
8	6	6	6	1	6	0	0	1	0	Anisotropic	2
9	6	6	6	1	6	0	0	1	0	Anisotropic	2
10	6	6	6	1	6	0	0	1	0	Anisotropic	2
11	6	6	6	1	6	0	0	1	0	Anisotropic	1
12	6	6	6	1	6	0	0	1	0	Anisotropic	1
13	6	6	6	1	6	0	0	1	0	Anisotropic	0

FIG. 8G



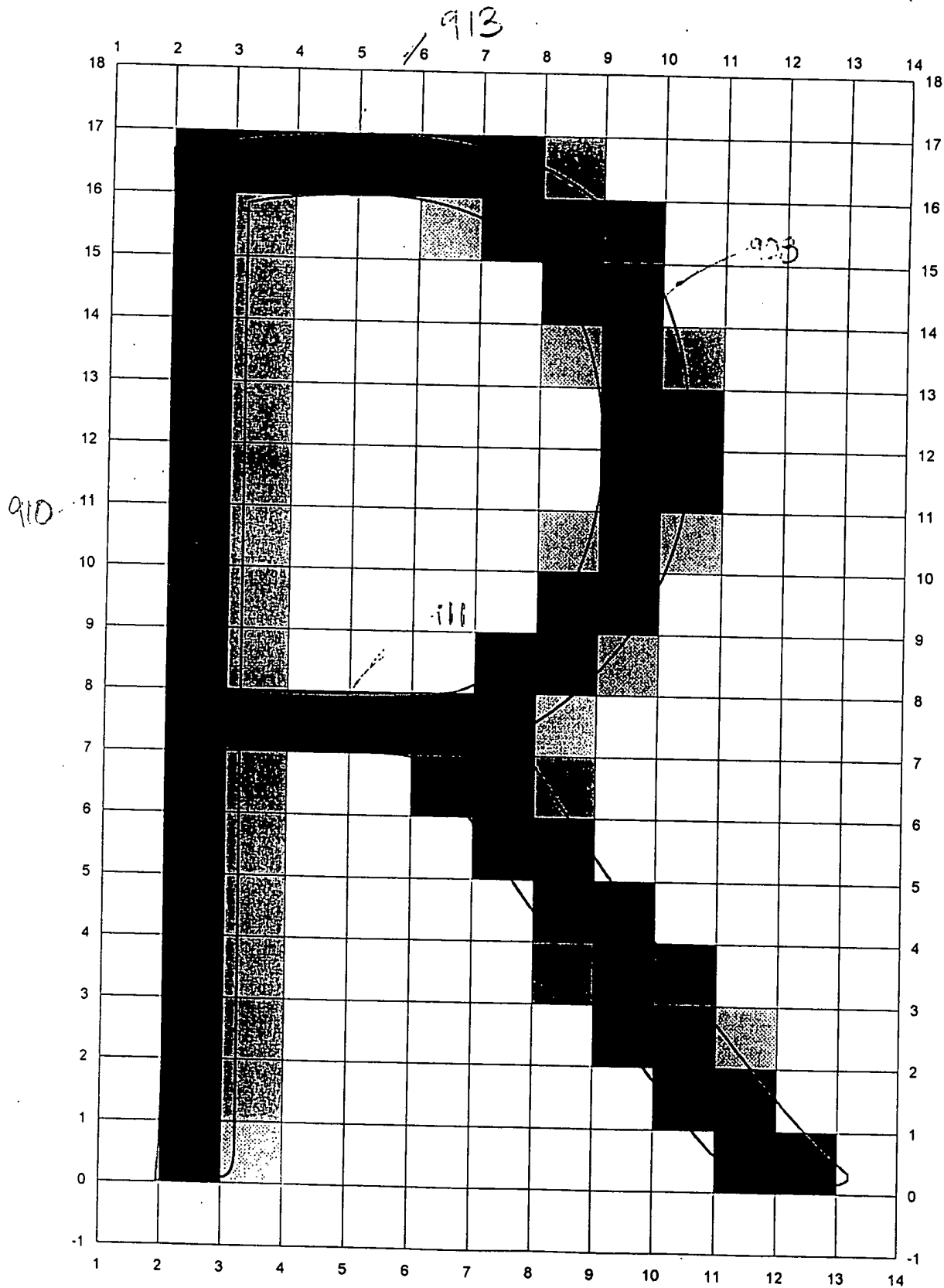


FIG. 9E

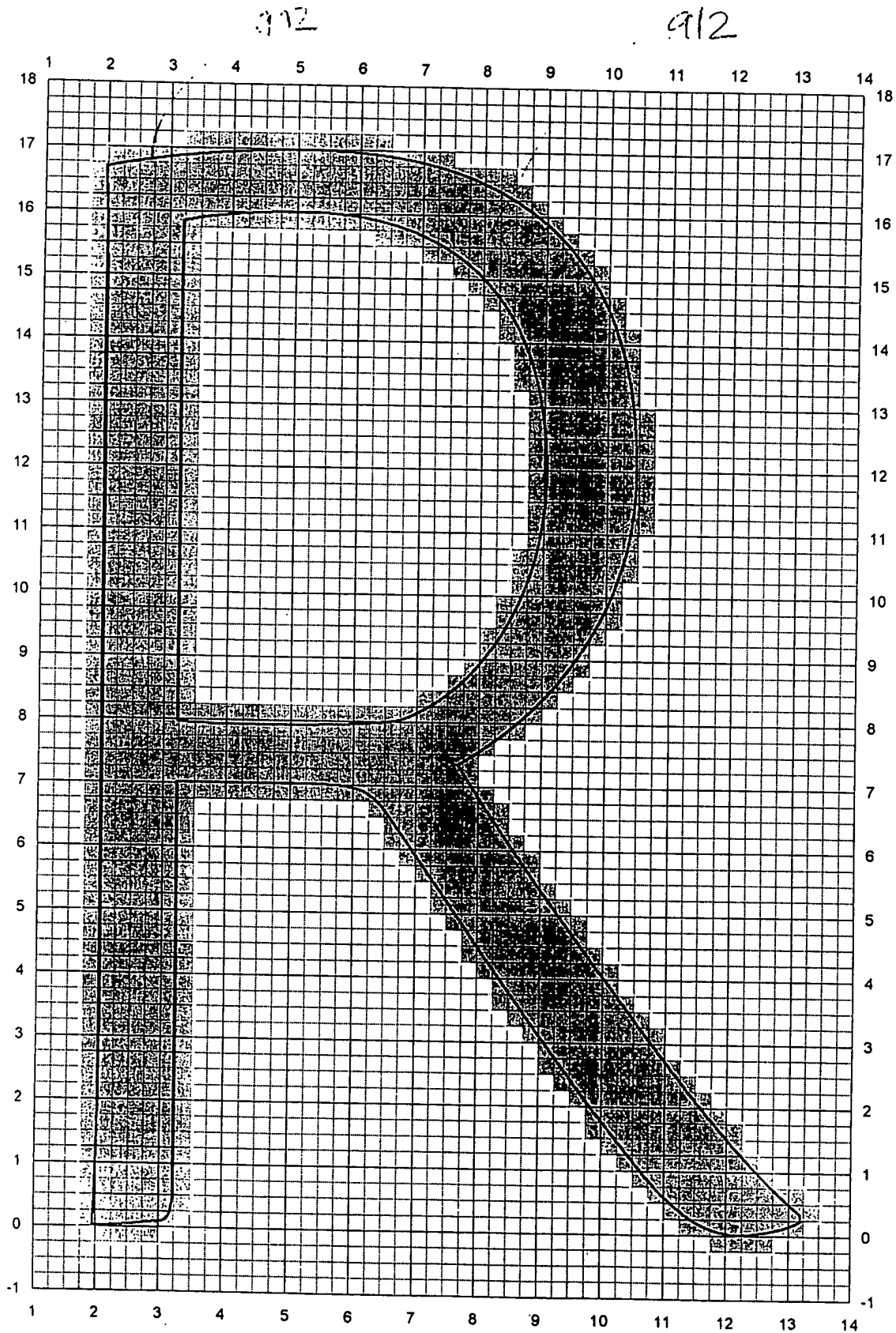


FIG 9C

Applicant(s): Arnold, et al.

EDGE DETECTION BASED STROKE ADJUSTMENT

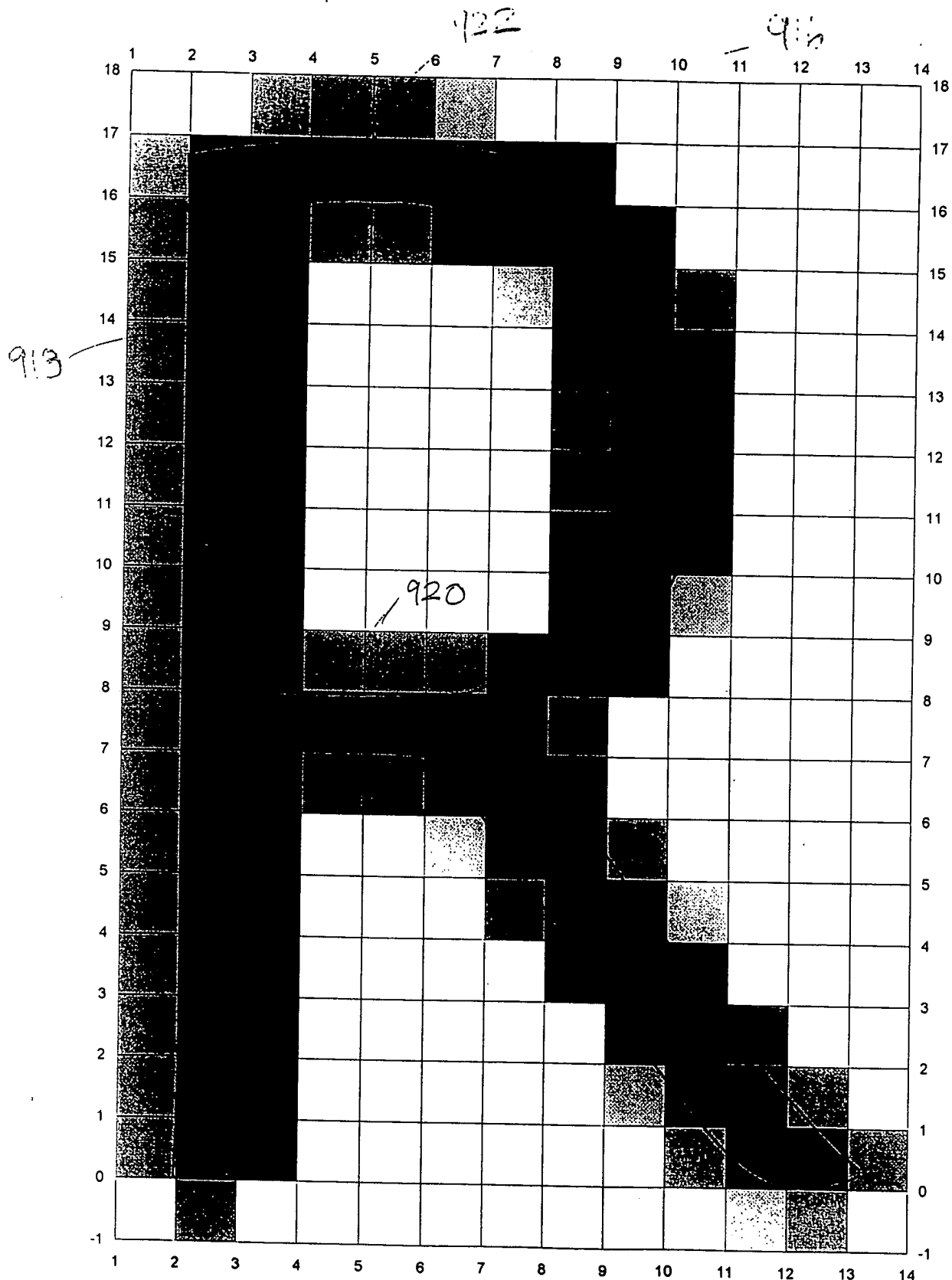
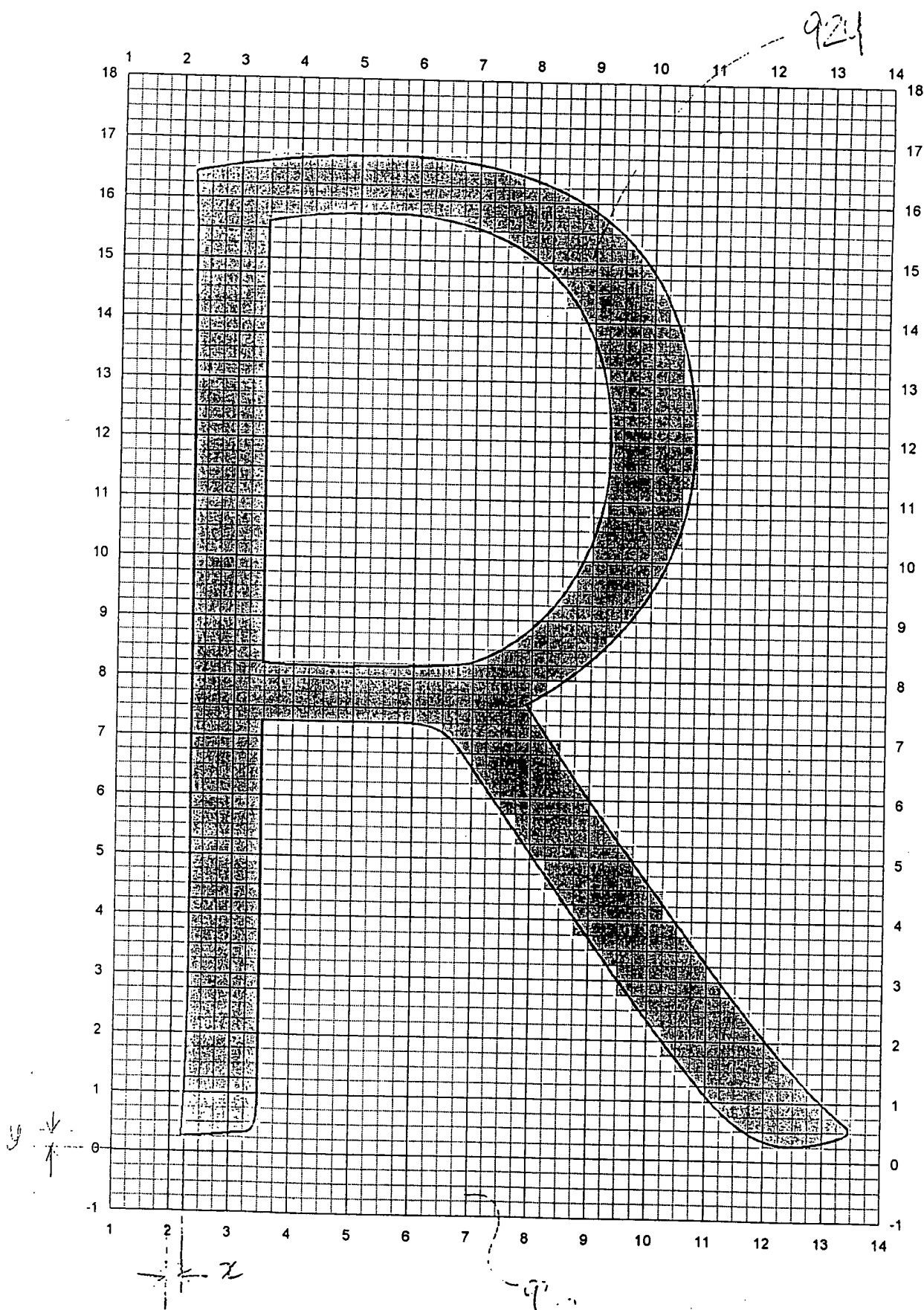
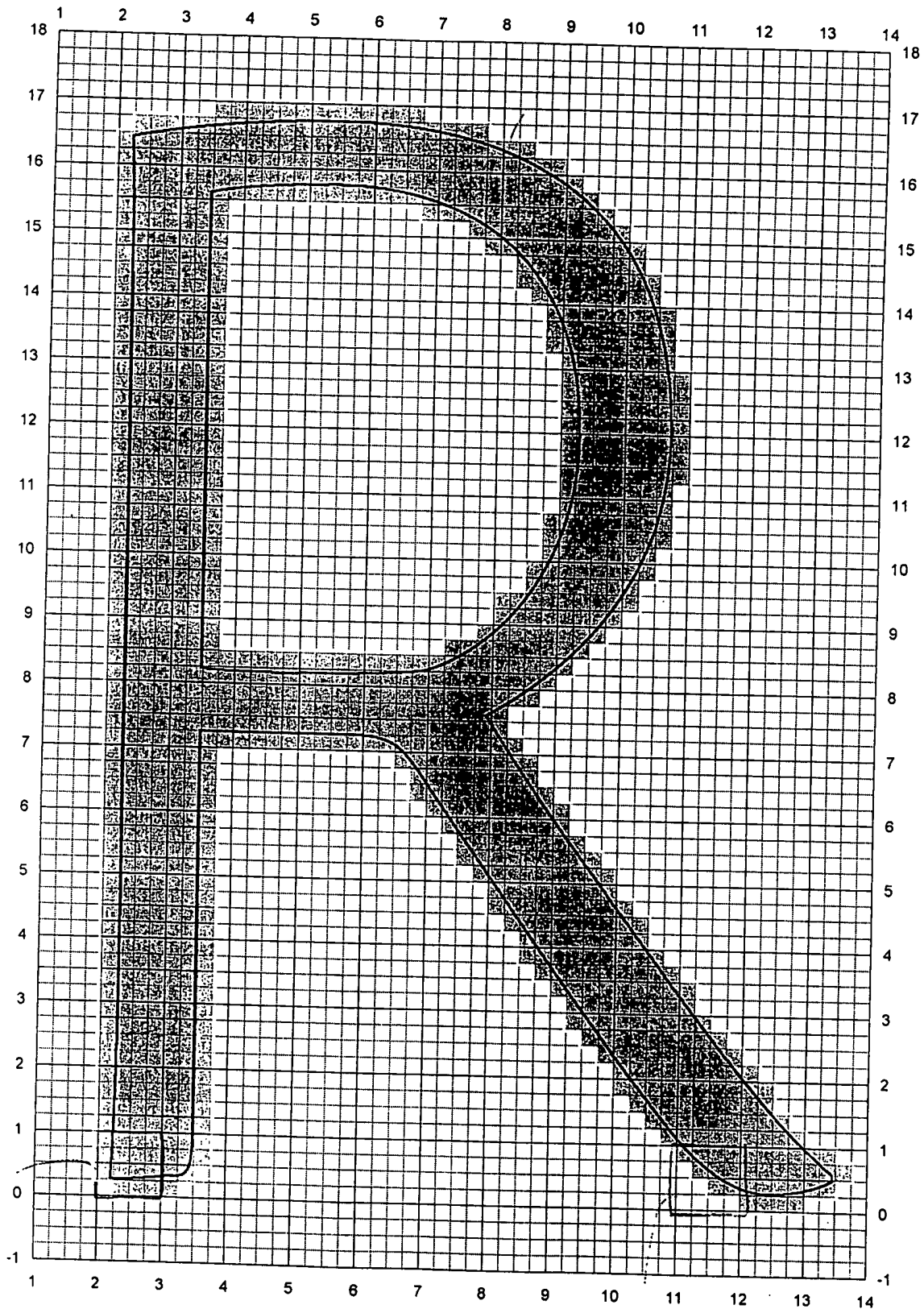


FIG 7D





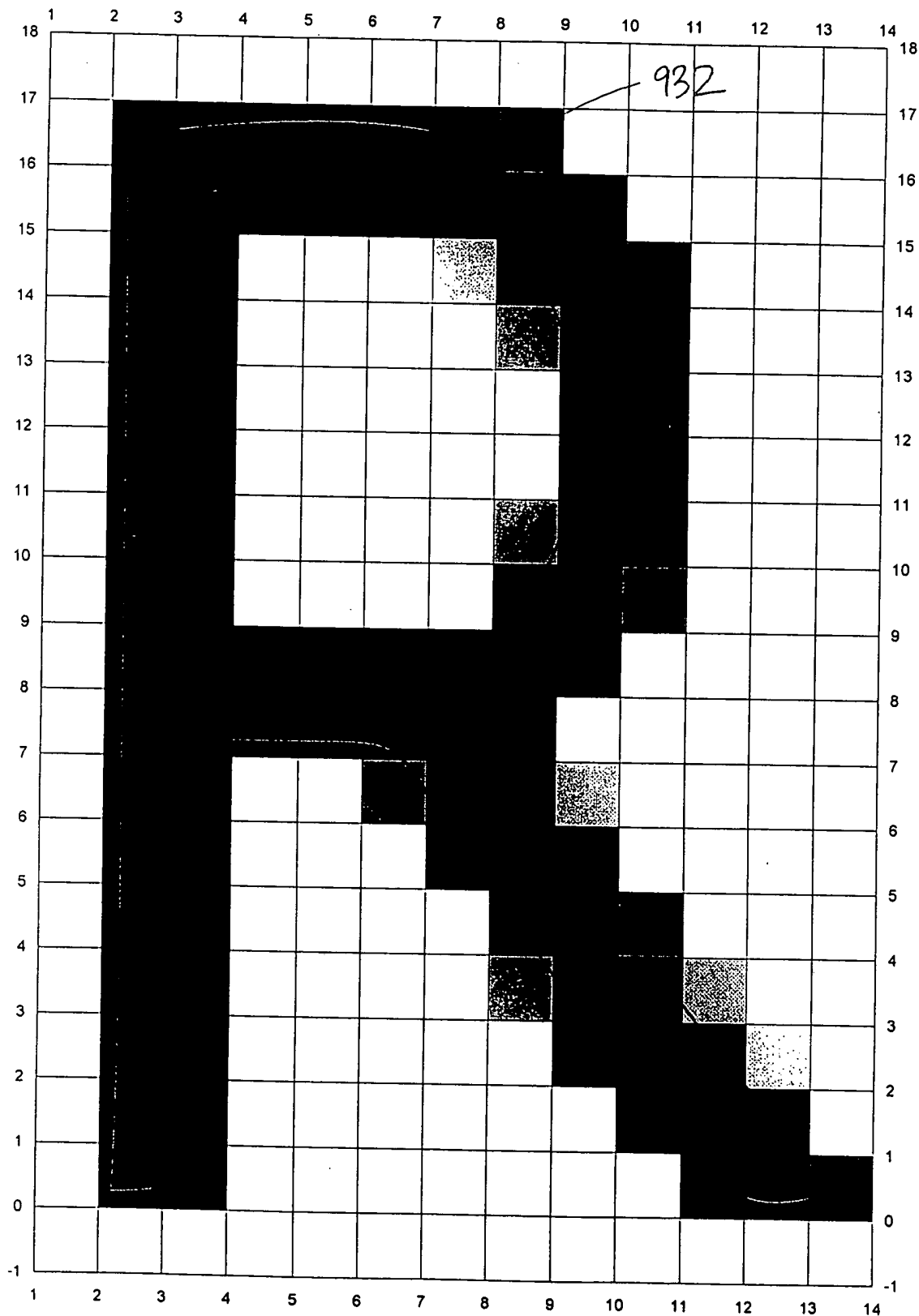


FIG. 15

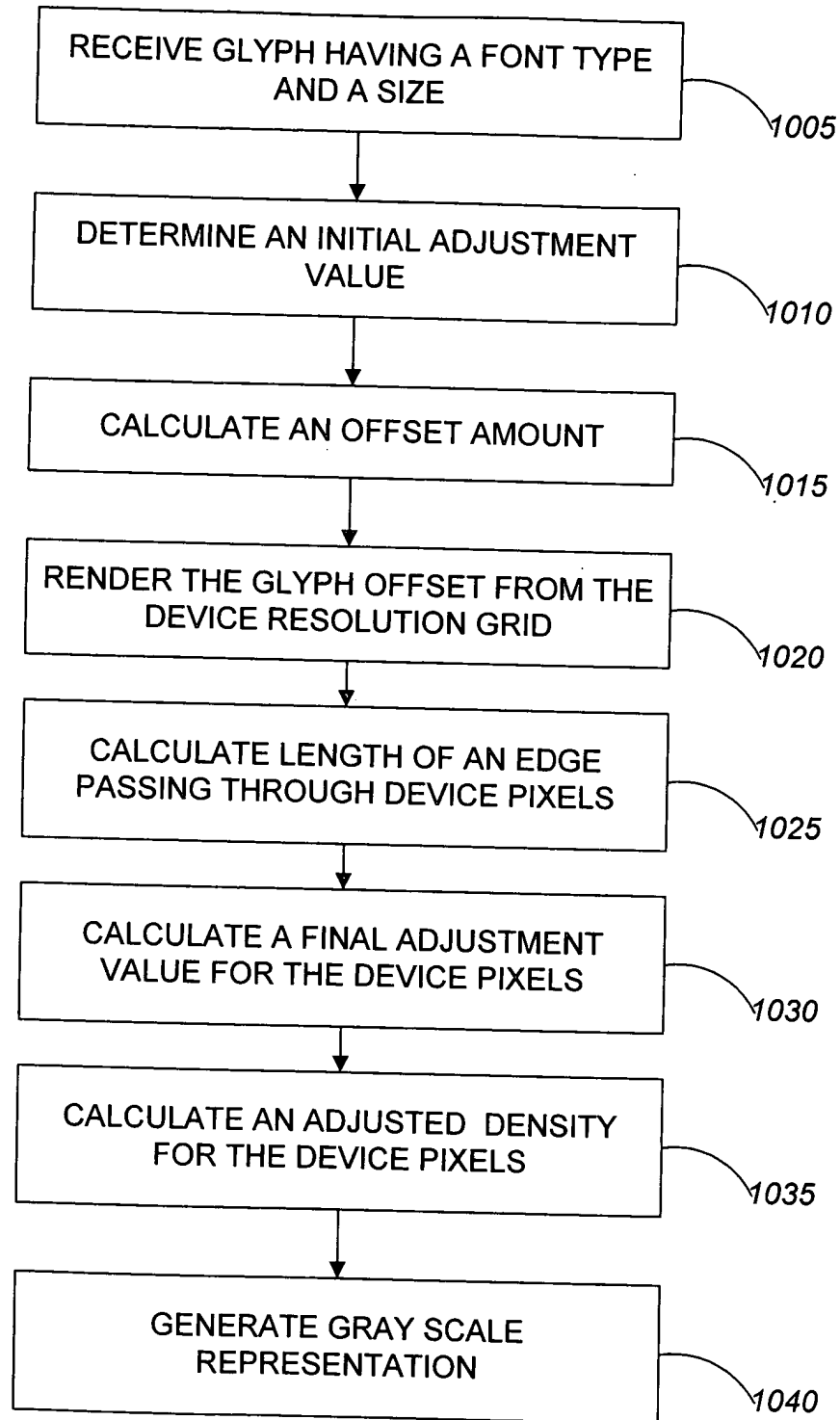
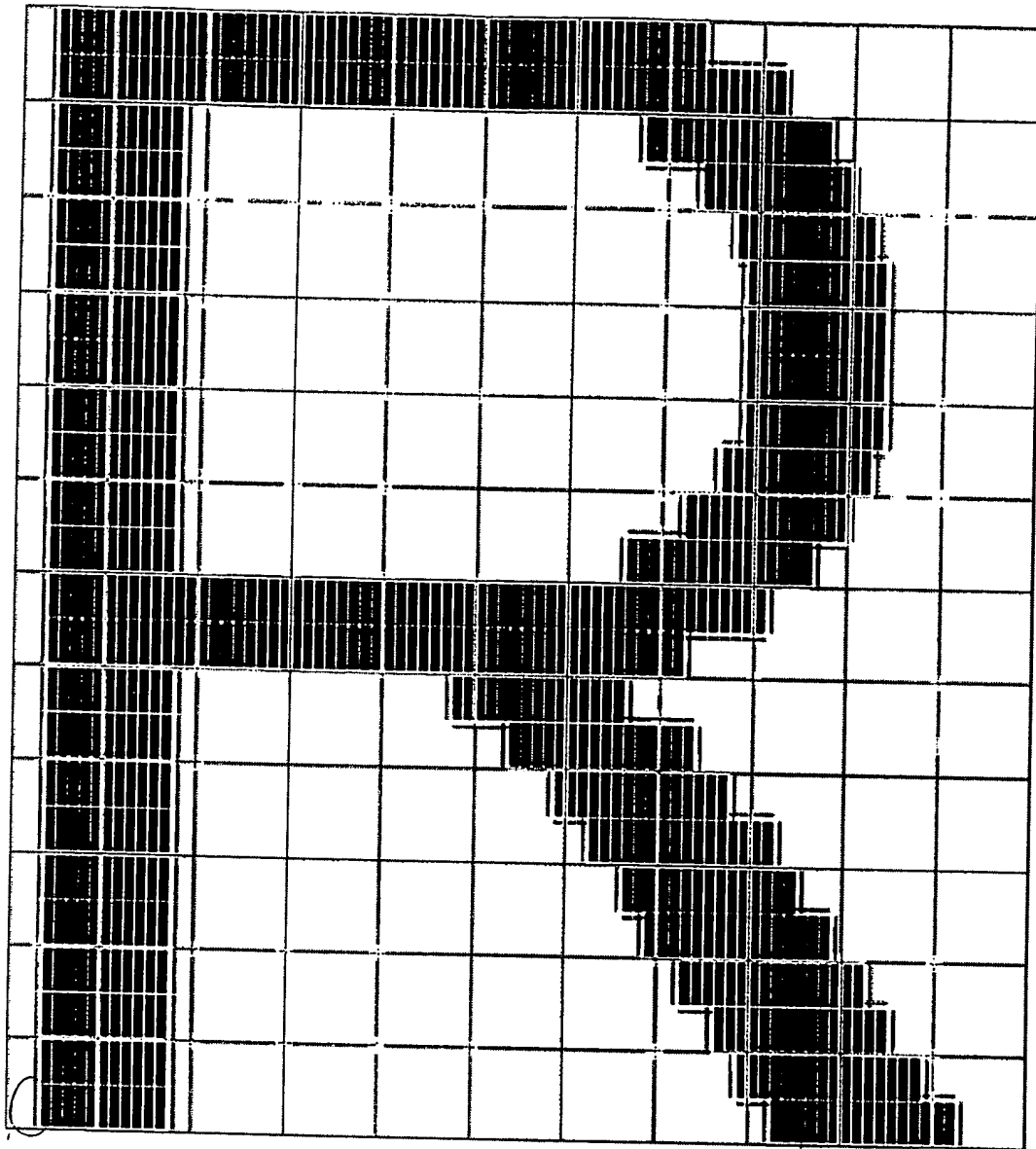


FIG. 10



1105

FIG. 11A

1100



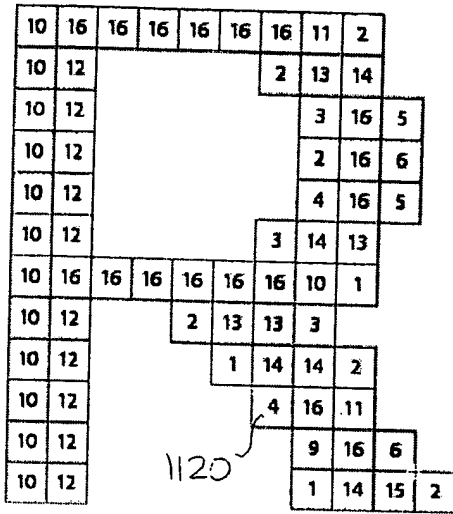


FIG 11B

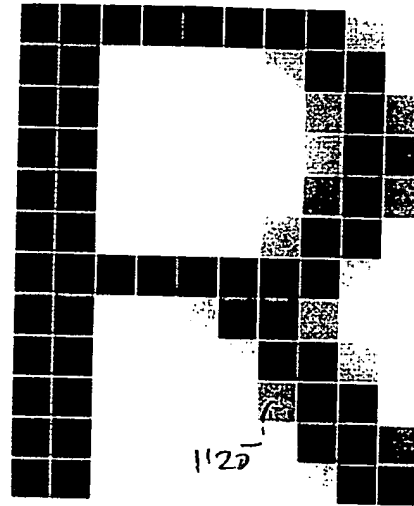


FIG 11C

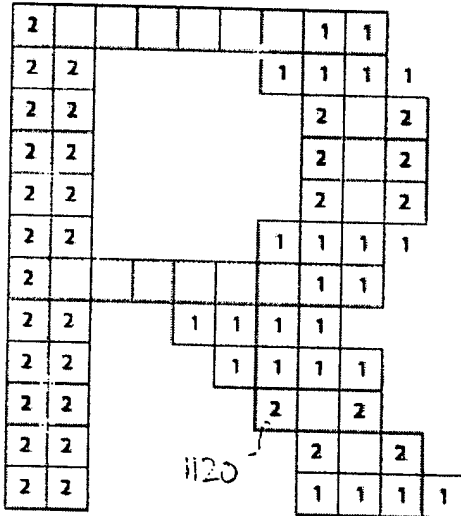


FIG 11D

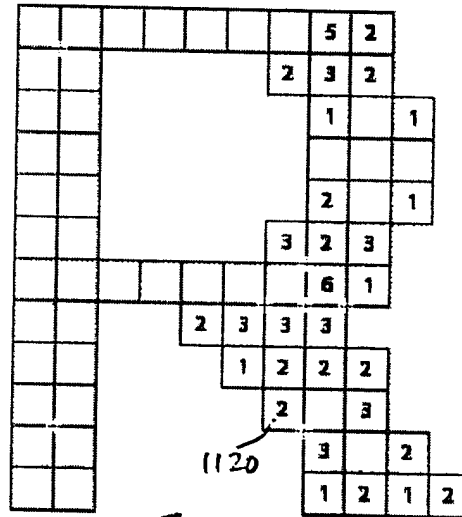


FIG 11E

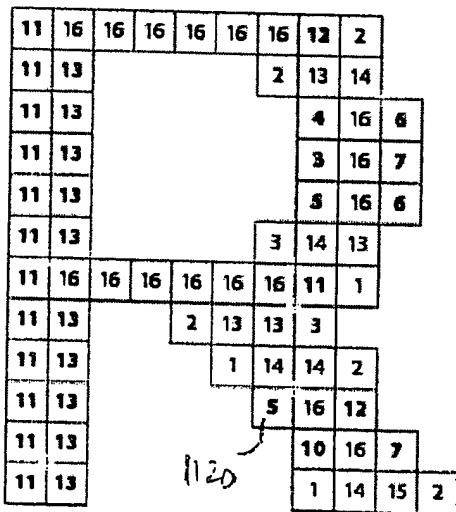


FIG 11F

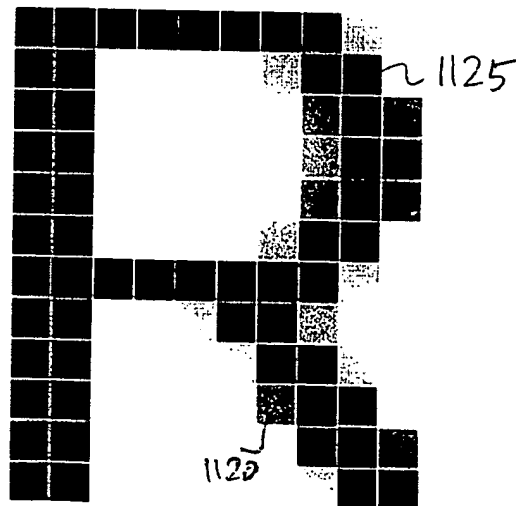


FIG 11G

1210

1215

1205

Scaled Stem Width (16ths)	Grid Ratio	Alignment Offset	Darkening Amount (16ths per side)	Asymmetric Darkening			Phase Difference	Rasterized Stem Width (bold lines) and Darkening Amount (light lines), showing both phases
				Low Density	Low Density Darkening Amount (16ths)	High Density		
1-4	4	0	4				1/4	
5,6	8	0	4	0	2	24	3/8	
7,8	8	0	4	0	2	32	1/4	
9,10	8	0	4	0	2	40	1/8	
11,12	4	1	4				1/4	
13,14	8	1	3	0	4	56	1/4	
15,16	8	1	3	8	4	56	3/8	
17,18	8	1	2				3/8	
19,20	8	1	2				1/2	
21,22	8	1	2				3/8	
23,24	8	1	2				1/4	
25	8	1	2				1/8	
26-28	4	0	1	0	0	12	1/8	
29,30	8	1	1	0	2	56	1/8	
31,32	8	1	1	8	0	56	1/8	
33	8	1	1	16	0	56	1/4	
34-37	4	0	0				1/4	

FIGURE 12